

Title (en)  
CENTRIFUGAL SEPARATOR

Title (de)  
ZENTRIFUGALABSCHIEDER

Title (fr)  
SÉPARATEUR CENTRIFUGE

Publication  
**EP 2555876 B1 20150107 (EN)**

Application  
**EP 11719911 A 20110405**

Priority  
• SE 1050350 A 20100409  
• SE 2011050398 W 20110405

Abstract (en)  
[origin: WO2011126436A1] A device (1) for cleaning of polluted gas from a combustion engine, which device comprises a centrifugal separator (2) with a centrifuge rotor (3) which is arranged to cause the polluted gas to rotate. The centrifuge rotor (3) comprises a stack of truncated conical separating discs (6) disposed at mutual spacing so that they delimit intermediate spaces (7) between them for the gas to flow through. An outlet chamber (11) is disposed centrally within the stack of separating discs (6), whereby the centrifuge rotor (3) is configured for counterflow separation. The centrifugal separator comprises a gas outlet (13) which communicates with the outlet chamber (11) and which is adapted to discharging cleaned gas from the centrifuge rotor. The stack of separating discs (6) is disposed for rotation in a space (4) formed within the combustion engine and arranged to receive the polluted gas, to which end the intermediate spaces (7) between the separating discs (6) communicate directly with the space (4), and the gas outlet (13) is arranged to conduct the cleaned gas out from the space through a wall (5) which delimits the space.

IPC 8 full level  
**B04B 5/00** (2006.01); **B04B 5/08** (2006.01); **B04B 5/12** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP KR SE US)  
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Cited by  
DE102019101141A1; DE102015220679A1; DE102019202342A1; DE102019202342B4

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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